UNITED STATES PATENT AND TRADEMARK OFFICE

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EXAMINER
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ART UNIT	PAPER NUMBER
2175	

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *02 September 2008*.

2a)☒ This action is **FINAL**.   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-8 and 10-24* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-8 and 10-24* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application

6)☐ Other: _____.

DETAILED ACTION

1.   The following action is in response to the amendment filed September 2, 2008. Claims 1,

14, 15, 16, 17, 19 have been directly amended. Claims 20-24 have been newly added. Claim 9

has been canceled. **Claims 1-8 and 10-24** are pending and have been considered below.

Claim Rejections - 35 USC § 102

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

2.   **Claims 1-7 and 10-24** are rejected under 35 U.S.C. 102(a) as being anticipated over

Chen, Y., Ma, W. J., and Zhang, H. J. "Detecting Web Page Structure for Adaptive Viewing on

Small Form Factor Devices," *Proceedings of the 12th international conference on World Wide*

Web (WWW 2003), May 20-24, 2003, Budapest, Hungary, previously presented as "Chen".

Claims 1, 14, 15, 17, and 24: Chen discloses a method for presenting at least a part of a page

(page 1, Abstract: "analyze the structure of a web page and split it into small and logically

related units that fit onto a screen of a mobile device), comprising:

- at least partially dividing at least one page into a plurality of areas (page 2, paragraph 4:

  "From the extracted structure, different content blocks are identified.");

- determining which areas of said plurality of areas shall be made active areas (page 6,

  paragraph 3: "Based on the result of the page analysis, the content in the final set of

  content blocks can be easily extracted and stored into sub-pages") and which areas shall

  be made non-active areas (page 4, paragraph 8: "Implicit separators are blank areas

  created intentionally by the author to separate content."), wherein areas of said plurality

  of areas with a size that is above a size threshold are determined to be made active areas

(pages 4-5: Discussion of how Implicit Separators are made, i.e. implicit separators are applied to areas below a size threshold "small blocks");

- making said determined areas which are determined to be active areas active (page 6, paragraph 3: "the content in the final set of content blocks can be easily extracted and stored into sub-pages");

- presenting said plurality of active areas and non-active areas in a first representation (page 6 paragraph 1: "the user will first receive an index page", paragraph 11: "We generate a thumbnail image for the original web page, and mark the content blocks with different colors.", Fig. 14 discloses areas with different shadings, active areas, and areas with no shading, non-active areas), and

- in response to a user operation on said at least one of said active areas (page 6 paragraph 1: "the user to access each sub-page through the hyperlinks in the index page"), presenting at least active areas in a second representation (page 8, Fig. 18(a) Page Splitting).

Claim 2: Chen discloses sub-page presenting method according to claim 1 above, wherein in said user operation, at least one of said active areas is selected, and wherein at least said selected area is presented in said second representation (page 2, Fig. 1: "By clicking on a block in the thumbnail, a user can easily go to view the corresponding content which is formatted to fit well into a small screen.").

Claim 3: <u>Chen</u> discloses the sub-page presenting method according to claim 1 above, wherein at least two areas of said plurality of areas are made active areas (page 6, paragraph 3: "the content in the final set of content blocks can be easily extracted and stored into sub-pages").

Claims 4 and 20: <u>Chen</u> discloses sub-page presenting method and apparatus according to claims 1 and 15 above, respectively, wherein said at least partial division of said at least one page into said plurality of areas is based on a structure of at least a part of said at least one page (page 2, paragraph 4: "The web page is split into many sub-pages according to the structure information.").

Claim 5: <u>Chen</u> discloses sub-page presenting method according to claim 1 above, wherein said at least partial division of said at least one page into said plurality of areas is based on a sectioning algorithm (page 2, paragraph 6: "At each iteration, the page analysis algorithm finds a best way to partition a content block into smaller ones.").

Claims 6 and 21: <u>Chen</u> discloses sub-page presenting method and apparatus according to claims 1 and 21 above, respectively, wherein in said first representation, at least one area of said plurality of areas is scaled to a size that is smaller than the original size of said respective area (page 6, paragraph 12: "We generate a thumbnail image for the original web page").

Claim 7: <u>Chen</u> discloses the sub-page presenting method according to claim 1 above, wherein in said first representation, at least one area of said plurality of areas is cropped (page 8 paragraph 3: "the content which is clipped due to smaller width").

Claim 10: <u>Chen</u> discloses the sub-page presenting method according to claim 1 above, including the semantically related content selectable according to a user (page 2, Fig. 1), wherein at least one of said at least one active areas is automatically focused (page 6, paragraph 12: "mark the content blocks with different colors", colors highlight areas to better focus a user on that area), or selected according to a selection criterion (page 1, paragraph 3 "requires the user .. to find the content of interest", page 2, Fig. 1: "a user can easily go to view the corresponding content", a

user selects information which is of personal interest, i.e. selection according to a selection

criterion, wherein the criterion is information of interest to the user), or both (Content blocks are

colored, and a user selects according to information of interest).

Claims 11 and 22: <u>Chen</u> discloses sub-page presenting method and apparatus according to

claims 1 and 15 above, respectively, wherein in said second representation, at least one active

area is scaled to a size that is larger than the size in said first representation (page 8, Fig. 18(a)

Page splitting).

Claims 12 and 23: <u>Chen</u> discloses sub-page presenting method and apparatus according to

claims 1 and 15 above, respectively, wherein within at least one of said areas presented in said

first representation, elements (page 2 Fig. 1: "clicking on a block") can be directly selected by a

user (page 2 Fig. 1: "By clicking on a block, a user can easily go to..").

Claims 13, 18, and 19: <u>Chen</u> discloses sub-page presenting method, system, and device

according to claims 1 , 17, and 15 above respectively, wherein said determining which areas

shall be made active and which areas shall be made non-active areas is performed automatically

(page 2, paragraph 6: "In our approach, identifying the content blocks from the semantic

structure of a web page is conducted in an iterative manner.", "the page analysis algorithm finds

a best way to partition the content block into smaller ones", page 6, paragraph 3: "Based on the

result of the page analysis, the content in the final set of content blocks can be easily extracted

and stored into sub-pages", page 4, paragraph 8: "Implicit separators are blank areas created

intentionally by the author to separate content.").

Claim 16: <u>Chen</u> discloses sub-page presenting device according to claim 15 above, wherein said

areas are presented on a display module, or on a display of said device comprising a portable

electronic device (page 1, Abstract: "Mobile devices", "to facilitate navigation and reading on a

small-form-factor device", page 2, Fig 1).

Claim Rejections - 35 USC § 103

3.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in
> section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are
> such that the subject matter as a whole would have been obvious at the time the invention was made to a person
> having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the
> manner in which the invention was made.

4.   **Claim 8** is rejected under 35 U.S.C. 103(a) as being unpatentable over Chen in view of

Tsimelzon (US 6,834,306).

Claim 8: Chen discloses the sub-page presenting method according to claim 1 above, and

further discloses that the areas are colored (page 6, paragraph 12: "mark the content blocks with

different colors") and bordered (page 2, Fig. 1). However, Chen does not specifically disclose

wherein in said first representation, at least one area of said plurality of areas is indicated by an

icon. Tsimelzon discloses a method for notifying a user of changes to certain parts of web pages

(Title). Tsimelzon discloses that the parts include icons for indication to a user (col 11 lines 64-

67, col 12 lines 1-6). Therefore, it would have been obvious to one of ordinary skill in the art,

and having the teachings of Chen and Tsimelzon before them at the time the present invention

was made, to provide indication using an icon, as taught by Tsimelzon, for the colored and

bordered areas disclosed by Chen. One would have been motivated to do this in order to provide

an alternative further alternative to differentiate the areas to a user.

Response to Arguments

5.   Applicant's arguments filed September 2, 2008, have been fully considered but they are
not persuasive.

6.   Applicant argues (pages 8-9), with respect to the amended impendent claims, that <u>Chen</u>
does not disclose "wherein areas of said plurality of areas with a size that is above a size
threshold are determined to be made active areas." The Examiner respectfully disagrees. The
non-active areas, as taught by <u>Chen</u>, are the areas which are implicit separators between the
active areas. These implicit areas are created by iterating using the smallest blocks until no more
implicit area can be detected. Therefore, the active areas, i.e. the content blocks, are the areas
which are not used to make implicit separators and are above the size threshold used to
determine small blocks for the implicit separator creation. The argument is not persuasive.

Conclusion

7.   The prior art made of record and not relied upon is considered pertinent to applicant's
disclosure.

8.   <u>Pandit</u> (US 6,172,685) – pertains to resizing elements on a screen based on their content
compared to a content threshold.

9.   **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time
policy as set forth in 37 CFR 1.136(a).

        A shortened statutory period for reply to this final action is set to expire THREE
MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

MONTHS of the mailing date of this final action and the advisory action is not mailed until after

the end of the THREE-MONTH shortened statutory period, then the shortened statutory period

will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

however, will the statutory period for reply expire later than SIX MONTHS from the mailing

date of this final action.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Andrew Tank whose telephone number is 571-270-1692. The

examiner can normally be reached on Mon - Thur 0830-1700 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, William Bashore can be reached on 571-272-4088. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/A. T./

Examiner, Art Unit 2175
December 7, 2008

/Kieu D Vu/
Primary Examiner, Art Unit 2175